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## RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/09/749,873

TIME: 11:27:50

Input Set : N:\Crif3\RULE60\09749873.txt

Output Set: N:\CRF3\12202001\I749873.raw

## SEQUENCE LISTING

## 4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: OHTOMO, Toshihiko

7 SATO, Koh

8 TSUCHIYA, Masayuki

10 (ii) TITLE OF INVENTION: RESHAPED HUMAN ANTIBODY TO HUMAN  
11 MEDULLOBLASTOMA CELLS

13 (iii) NUMBER OF SEQUENCES: 132

15 (iv) CORRESPONDENCE ADDRESS:

16 (A) ADDRESSEE: Foley &amp; Lardner

17 (B) STREET: 3000 K Street, N.W., Suite 500

18 (C) CITY: Washington

19 (D) STATE: D.C.

20 (E) COUNTRY: USA

21 (F) ZIP: 20007-5109

23 (v) COMPUTER READABLE FORM:

24 (A) MEDIUM TYPE: Floppy disk

25 (B) COMPUTER: IBM PC compatible

26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

29 (vi) CURRENT APPLICATION DATA:

C--&gt; 30 (A) APPLICATION NUMBER: US/09/749,873

C--&gt; 31 (B) FILING DATE: 29-Dec-2000

32 (C) CLASSIFICATION:

38 (vii) PRIOR APPLICATION DATA:

35 (A) APPLICATION NUMBER: 08/646,265

36 (B) FILING DATE: 1996-09-09

39 (A) APPLICATION NUMBER: JP 5-291078

40 (B) FILING DATE: 19-NOV-1993

42 (viii) ATTORNEY/AGENT INFORMATION:

43 (A) NAME: WEGNER, Harold C.

44 (B) REGISTRATION NUMBER: 25,258

45 (C) REFERENCE/DOCKET NUMBER: 53466/184

47 (ix) TELECOMMUNICATION INFORMATION:

48 (A) TELEPHONE: (202)672-5300

49 (B) TELEFAX: (202)672-5399

50 (C) TELEX: 904136

53 (2) INFORMATION FOR SEQ ID NO: 1:

55 (i) SEQUENCE CHARACTERISTICS:

56 (A) LENGTH: 40 base pairs

57 (B) TYPE: nucleic acid

58 (C) STRANDEDNESS: single

59 (D) TOPOLOGY: linear

65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

67 ACTAGTCGAC ATGAAGTTGC CTGTTAGGCT GTTGGTGCTG

40

69 (2) INFORMATION FOR SEQ ID NO: 2:

71 (i) SEQUENCE CHARACTERISTICS:

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72          (A) LENGTH: 39 base pairs
73          (B) TYPE: nucleic acid
74          (C) STRANDEDNESS: single
75          (D) TOPOLOGY: linear
81      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
83 ACTAGTCGAC ATGGAGWCAG ACACACTCCT GYTATGGGT      39
85 (2) INFORMATION FOR SEQ ID NO: 3:
87      (i) SEQUENCE CHARACTERISTICS:
88          (A) LENGTH: 40 base pairs
89          (B) TYPE: nucleic acid
90          (C) STRANDEDNESS: single
91          (D) TOPOLOGY: linear
97      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
99 ACTAGTCGAC ATGAGTGTGC TCACTCAGGT CCTGGSGTTG      40
101 (2) INFORMATION FOR SEQ ID NO: 4:
103      (i) SEQUENCE CHARACTERISTICS:
104          (A) LENGTH: 43 base pairs
105          (B) TYPE: nucleic acid
106          (C) STRANDEDNESS: single
107          (D) TOPOLOGY: linear
113      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
115 ACTAGTCGAC ATGAGGRCCC CTGCTCAGWT TYTTGGMWTC TTG      43
117 (2) INFORMATION FOR SEQ ID NO: 5:
119      (i) SEQUENCE CHARACTERISTICS:
120          (A) LENGTH: 40 base pairs
121          (B) TYPE: nucleic acid
122          (C) STRANDEDNESS: single
123          (D) TOPOLOGY: linear
129      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
131 ACTAGTCGAC ATGGATTTCW AGGTGCAGAT TWTCAGCTTC      40
133 (2) INFORMATION FOR SEQ ID NO: 6:
135      (i) SEQUENCE CHARACTERISTICS:
136          (A) LENGTH: 37 base pairs
137          (B) TYPE: nucleic acid
138          (C) STRANDEDNESS: single
139          (D) TOPOLOGY: linear
145      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
147 ACTAGTCGAC ATGAGGTKCY YTGYSAGYT YCTGRGG      37
149 (2) INFORMATION FOR SEQ ID NO: 7:
151      (i) SEQUENCE CHARACTERISTICS:
152          (A) LENGTH: 41 base pairs
153          (B) TYPE: nucleic acid
154          (C) STRANDEDNESS: single
155          (D) TOPOLOGY: linear
161      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
163 ACTAGTCGAC ATGGGCWTC AAGATGGAGTC ACAKWYYCWG G      41
165 (2) INFORMATION FOR SEQ ID NO: 8:
167      (i) SEQUENCE CHARACTERISTICS:
168          (A) LENGTH: 41 base pairs

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169         (B) TYPE: nucleic acid
170         (C) STRANDEDNESS: single
171         (D) TOPOLOGY: linear
177     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
179 ACTAGTCGAC ATGTGGGGAY CTKTTTYCMM TTTTCAATT G      41
181 (2) INFORMATION FOR SEQ ID NO: 9:
183     (i) SEQUENCE CHARACTERISTICS:
184         (A) LENGTH: 35 base pairs
185         (B) TYPE: nucleic acid
186         (C) STRANDEDNESS: single
187         (D) TOPOLOGY: linear
193     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
195 ACTAGTCGAC ATGGTRTCCW CASCTCAGTT CCTTG      35
197 (2) INFORMATION FOR SEQ ID NO: 10:
199     (i) SEQUENCE CHARACTERISTICS:
200         (A) LENGTH: 37 base pairs
201         (B) TYPE: nucleic acid
202         (C) STRANDEDNESS: single
203         (D) TOPOLOGY: linear
209     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
211 ACTAGTCGAC ATGTATATAT GTTTGTTGTC TATTCT      37
213 (2) INFORMATION FOR SEQ ID NO: 11:
215     (i) SEQUENCE CHARACTERISTICS:
216         (A) LENGTH: 38 base pairs
217         (B) TYPE: nucleic acid
218         (C) STRANDEDNESS: single
219         (D) TOPOLOGY: linear
225     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
227 ACTAGTCGAC ATGGAAGCCC CAGCTCAGCT TCTCTTCC      38
229 (2) INFORMATION FOR SEQ ID NO: 12:
231     (i) SEQUENCE CHARACTERISTICS:
232         (A) LENGTH: 27 base pairs
233         (B) TYPE: nucleic acid
234         (C) STRANDEDNESS: single
235         (D) TOPOLOGY: linear
241     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
243 GGATCCCGGG TGGATGGTGG GAAGATG      27
245 (2) INFORMATION FOR SEQ ID NO: 13:
247     (i) SEQUENCE CHARACTERISTICS:
248         (A) LENGTH: 37 base pairs
249         (B) TYPE: nucleic acid
250         (C) STRANDEDNESS: single
251         (D) TOPOLOGY: linear
257     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
259 ACTAGTCGAC ATGAAATGCA GCTGGGTCAT STTCTTC      37
261 (2) INFORMATION FOR SEQ ID NO: 14:
263     (i) SEQUENCE CHARACTERISTICS:
264         (A) LENGTH: 36 base pairs
265         (B) TYPE: nucleic acid

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266          (C) STRANDEDNESS: single
267          (D) TOPOLOGY: linear
273      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
275 ACTAGTCGAC ATGGGATGGA GCTRTATCAT SYTCTT      36
277 (2) INFORMATION FOR SEQ ID NO: 15:
279      (i) SEQUENCE CHARACTERISTICS:
280          (A) LENGTH: 37 base pairs
281          (B) TYPE: nucleic acid
282          (C) STRANDEDNESS: single
283          (D) TOPOLOGY: linear
289      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
291 ACTAGTCGAC ATGAAGWTGT GGTAAACTG GGTTTTT      37
293 (2) INFORMATION FOR SEQ ID NO: 16:
295      (i) SEQUENCE CHARACTERISTICS:
296          (A) LENGTH: 35 base pairs
297          (B) TYPE: nucleic acid
298          (C) STRANDEDNESS: single
299          (D) TOPOLOGY: linear
305      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
307 ACTAGTCGAC ATGRACCTTG GGYTCAGCTT GRITT      35
309 (2) INFORMATION FOR SEQ ID NO: 17:
311      (i) SEQUENCE CHARACTERISTICS:
312          (A) LENGTH: 40 base pairs
313          (B) TYPE: nucleic acid
314          (C) STRANDEDNESS: single
315          (D) TOPOLOGY: linear
321      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
323 ACTAGTCGAC ATGGACTCCA GGCTCAATTT AGTTTTCTT      40
325 (2) INFORMATION FOR SEQ ID NO: 18:
327      (i) SEQUENCE CHARACTERISTICS:
328          (A) LENGTH: 37 base pairs
329          (B) TYPE: nucleic acid
330          (C) STRANDEDNESS: single
331          (D) TOPOLOGY: linear
337      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
339 ACTAGTCGAC ATGGCTGTCY TRGSGCTRCT CTTCTGC      37
341 (2) INFORMATION FOR SEQ ID NO: 19:
343      (i) SEQUENCE CHARACTERISTICS:
344          (A) LENGTH: 36 base pairs
345          (B) TYPE: nucleic acid
346          (C) STRANDEDNESS: single
347          (D) TOPOLOGY: linear
353      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
355 ACTAGTCGAC ATGGRATGGA GCKGGRTCTT TMTCTT      36
357 (2) INFORMATION FOR SEQ ID NO: 20:
359      (i) SEQUENCE CHARACTERISTICS:
360          (A) LENGTH: 33 base pairs
361          (B) TYPE: nucleic acid
362          (C) STRANDEDNESS: single

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363         (D) TOPOLOGY: linear
369     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
371 ACTAGTCGAC ATGAGAGTGC TGATTCTTTT GTG      33
373 (2) INFORMATION FOR SEQ ID NO: 21:
375     (i) SEQUENCE CHARACTERISTICS:
376         (A) LENGTH: 40 base pairs
377         (B) TYPE: nucleic acid
378         (C) STRANDEDNESS: single
379         (D) TOPOLOGY: linear
385     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
387 ACTAGTCGAC ATGGMTTGGG TGTGGAMCTT GCTATTCCTG      40
389 (2) INFORMATION FOR SEQ ID NO: 22:
391     (i) SEQUENCE CHARACTERISTICS:
392         (A) LENGTH: 37 base pairs
393         (B) TYPE: nucleic acid
394         (C) STRANDEDNESS: single
395         (D) TOPOLOGY: linear
401     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
403 ACTAGTCGAC ATGGGCAGAC TTACATTCTC ATTCCTG      37
405 (2) INFORMATION FOR SEQ ID NO: 23:
407     (i) SEQUENCE CHARACTERISTICS:
408         (A) LENGTH: 38 base pairs
409         (B) TYPE: nucleic acid
410         (C) STRANDEDNESS: single
411         (D) TOPOLOGY: linear
417     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:
419 ACTAGTCGAC ATGGATTTTG GGCTGATTTT TTTTATTG      38
421 (2) INFORMATION FOR SEQ ID NO: 24:
423     (i) SEQUENCE CHARACTERISTICS:
424         (A) LENGTH: 37 base pairs
425         (B) TYPE: nucleic acid
426         (C) STRANDEDNESS: single
427         (D) TOPOLOGY: linear
433     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:
435 ACTAGTCGAC ATGATGGTGT TAAGTCTTCT GTACCTG      37
437 (2) INFORMATION FOR SEQ ID NO: 25:
439     (i) SEQUENCE CHARACTERISTICS:
440         (A) LENGTH: 28 base pairs
441         (B) TYPE: nucleic acid
442         (C) STRANDEDNESS: single
443         (D) TOPOLOGY: linear
449     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:
451 GGATCCCGGG CCAGTGGATA GACAGATG      28
453 (2) INFORMATION FOR SEQ ID NO: 26:
455     (i) SEQUENCE CHARACTERISTICS:
456         (A) LENGTH: 382 base pairs
457         (B) TYPE: nucleic acid
458         (C) STRANDEDNESS: double
459         (D) TOPOLOGY: linear

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/749,873

DATE: 12/20/2001

TIME: 11:27:51

Input Set : N:\Crf3\RULE60\09749873.txt

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L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]